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Transmitted herewith for filing is the patent application of

Inventor: Jack M. DOS SANTOS and Patrick F. COLLINS

For: Apparatus For The Prevention Of Marking Cards In Card Games

Enclosed are:

- ☒ Three (3) sheets of drawing.
- ☒ List of Prior Art Cited by Applicant (Form P10-1449)
- ☐ An assignment of the invention to \_\_\_\_\_
- \_\_\_\_\_ and recordation fee of \$ .00 therefor. Please add serial number and filing date to assignment.
- ☐ A certified copy of application in \_\_\_\_\_
- ☐ An associate Power of Attorney.
- ☒ Verified statement to establish small entity - Independent Inventor
- ☐ Verified statement to establish small entity - Small Business Concern

The filing fee has been calculated as shown below:

	(Col. 1)	(Col.2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	9 - 20 =	* 0
INDEP. CLAIMS	1 - 3 =	* 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

\* If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY	
RATE	FEE
	\$ 355.00
x\$ =	\$
x\$ =	\$
+\$ =	\$
Total	\$ 355.00

OR  
OR  
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OR

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$
x\$ =	\$
x\$ =	\$
+\$ =	\$
Total	\$

☒

The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Deposit Account No. 18-2050. This authorization shall not be construed to extend to the charging of the issue fee. A duplicate copy of this sheet is enclosed.

☒

A check in the amount of \$ 355.00 to cover the filing fee is enclosed.

Respectfully,



Date: November 9, 2000

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Applicant or Patentee: Jack M. Dos Santos et al Attorney's  
Serial or Patent No.: \_\_\_\_\_ Docket No.: P2660  
Filed or Issued: \_\_\_\_\_  
For: APPARATUS FOR PREVENTION OF MARKING CARDS IN CARD GAMES

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY  
STATUS (37 CFR 1.9(f) and 1.27(b)) - INDEPENDENT INVENTOR

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled APPARATUS FOR PREVENTION OF MARKING CARDS described in IN CARDGAMES

☒ the specification filed herewith  
☐ application serial no. \_\_\_\_\_, filed \_\_\_\_\_  
☐ patent no. \_\_\_\_\_, issued \_\_\_\_\_

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

☒ no such person, concern, or organization  
☐ persons, concerns or organizations listed below\*

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

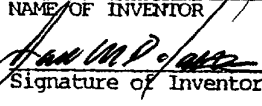
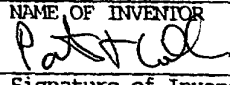
FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME \_\_\_\_\_  
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ADDRESS \_\_\_\_\_  
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I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

JACK M. DOS SANTOS	PATRICK F. COLLINS	
NAME OF INVENTOR	NAME OF INVENTOR	NAME OF INVENTOR
		
Signature of Inventor	Signature of Inventor	Signature of Inventor
<u>11-9-00</u>	<u>11-9-00</u>	
Date	Date	Date

## **APPARATUS FOR THE PREVENTION OF MARKING CARDS IN CARD GAMES**

### **BACKGROUND OF THE INVENTION**

#### **FIELD OF THE INVENTION**

The invention relates to apparatus for preventing the marking of playing cards in card games and, more particularly, to shields for card tables or blackjack tables for preventing marking of playing cards.

#### **DESCRIPTION OF THE PRIOR ART**

While there are devices available for preventing card counting, applicants are not aware of any device for preventing card marking.

In card games such as blackjack, "marking cards" is a phrase used to describe any act performed upon a playing card by a dealer, player or other individual, which enables the actor to recognize that card when visible. The act of "marking cards" constitutes cheating and gives the player/individual a substantial advantage in card games and especially in blackjack type games.

The prevention of "marking cards" maintains the integrity of blackjack type games and will enable the games to be played for a longer duration using the same decks of cards if the dealer or a casino so desires.

### **SUMMARY OF THE INVENTION**

Accordingly, it is primary object of the present invention to provide a shield for a blackjack or other card table to prevent the marking of playing cards.

The apparatus of the invention comprises a transparent shield, which can be either portable or permanently affixed to a blackjack table. The device is transparent to permit the playing cards to be viewed collectively by the players, dealer and overhead security cameras, has a closed front face for denying access to players to the playing cards and an open rear face for permitting access to a dealer to the playing cards.

Use of the apparatus hereof will prevent the players from "marking" the cards and will not substantially alter the rules of the game.

The apparatus will also eliminate the practice of "crimping"; that is, bending or making an indentation on the top or side edge of the card.

With the apparatus hereof, "Dirty money", that is, losing bets picked up by the dealer, can be picked up immediately after a losing hand while the losing hand is still under the transparent shield, thereby preventing the practice of "pinching"; that is, illegally taking cheques from a bet after cards have been dealt.

The apparatus will also protect against "Daub"; that is, applying rouge, lipstick or any type of coloring to allow a person to identify a card.

Wagers by players may be placed on the top of the apparatus in a designated area. Any cheques outside of this designated area would be considered to be a "no bet".

By use of this apparatus, players will be unable to handle the cards after the cards are dealt. Once the cards are dealt by the dealer, a player may elect to "hit"; that is, the process of asking to be dealt additional cards by simply tapping the shield.

Any payoffs by the dealer will be placed on the apparatus for easy access by the player.

## BRIEF DESCRIPTION OF THE DRAWINGS

**Fig. 1 is a top plan view of apparatus in the form of a transparent shield embodying the invention;**

**Fig. 2 is a cross sectional view taken on line 2-2 of Fig. 1.;**

**Fig. 3 is an exploded top perspective view of the shield of Fig. 1 in association with a blackjack card table;**

**Fig. 4 is a fragmentary front perspective view of a portion of the shield of Figs. 1-3 in association with a portion of a blackjack card table;**

**Fig. 5 is a top plan view of the shield of Figs. 1 – 4 in association with a blackjack card table and illustrating the relative positions of a player and dealer; and**

**Fig. 6 is a cross sectional view taken on line 6-6 of Fig. 5.**

## DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to Fig. 1 and 2, apparatus embodying the invention comprises a transparent shield generally indicated by 10, which is semi-circular in plan and substantially fusto-conical in elevation, has a closed front face 11 and an open rear face 13.

Shield 10 includes as an integral unit, a flat, horizontally disposed, semi-circular top wall 12, an inclined, semi-circular intermediate wall 14, and a flat, horizontally disposed, semi-circular bottom wall 16.

The inner, peripheral edge of top wall 12 merges with the top edge of intermediate inclined wall 14, while the inner edge of bottom wall 16 merges with the lower edge of intermediate inclined wall 14 to form an integral unit.

The outer, peripheral edge of top wall 12 is provided with a semi-circular cut-out 18, while the top face of top wall 12 is provided with a series of short, equally-spaced radially-positioned, indentations 20 which open into cut-out 18, for purposes to appear.



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A semi-circular groove 22 is provided approximately centrally of the upper face of lower wall 16 and extends for the length of the lower wall, also for purposes to appear.

The innermost ends of walls 12, 14 and 16 are flat and provide an integral, vertically disposed, inner wall 24, which extends transversely across the diameter of the shield, as clearly shown in Fig. 3.

As shown in Figs. 3 - 6, shield 10 is employed with the usual semi-circular blackjack or card table, generally indicated by 30.

Blackjack or card table 30 includes a flat, planar, horizontally disposed upper face 32, a semi-circular, vertically disposed, outer peripheral face 34, and a straight, vertically disposed inner face 36, which extends transversely across the diameter of the table.

In use, shield 10 is positioned so that a portion of the lower face of its bottom wall 16 rests on upper face 32 of table 30 slightly inwardly of table peripheral edge 34, with inner wall 24 of shield 10 being aligned with inner face 36 of the table.

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Shield 10 may optionally be permanently affixed to table 30; or it may simply rest on the table and remain portable.

As seen in Fig. 6, due to the unique substantially frusto-conical, configuration of shield 10, when it is positioned on table 30, top wall 12 of the shield is disposed in spaced parallelism to and above upper face 32 of the table to form a playing card space 38 between top wall 12 of the shield and upper face 32 of the table.

Cut out 18 and open rear face 13 makes playing card space 38 easily accessible to a dealer D.

However, playing card space 38 is inaccessible to a player P, the player being denied access to that space by inclined intermediate wall 16 of closed front face 11 of the shield, thereby effectively precluding marking of the cards by the player.

Groove 22 in the upper face of bottom wall 16 of shield 10 provides a convenient space for players to keep their betting chips.

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Playing cards C are dealt by dealer D to players P and placed on upper face 32 of table 30 under shield 10 in playing card space 38 at player positions which are aligned with indentations 20 in top wall 12 of the shield.

Players P wager or make bets by placing their chips CH in the indentations 20 opposite their respective positions.

Since the shield is transparent, the players, the dealer, onlookers, or surveillance personnel can clearly view the playing cards and the amounts and the number of chips wagered.

At no time do the players have access to the playing cards whereby card marking is effectively precluded, while the chips are readily accessible, permitting easy removal of the chips from the shield by the dealer, since the open ends of slots 20 face the dealer.

## CLAIMS

What is claimed is:

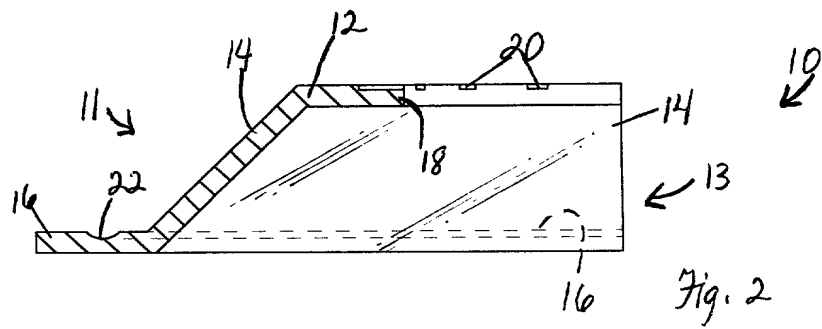
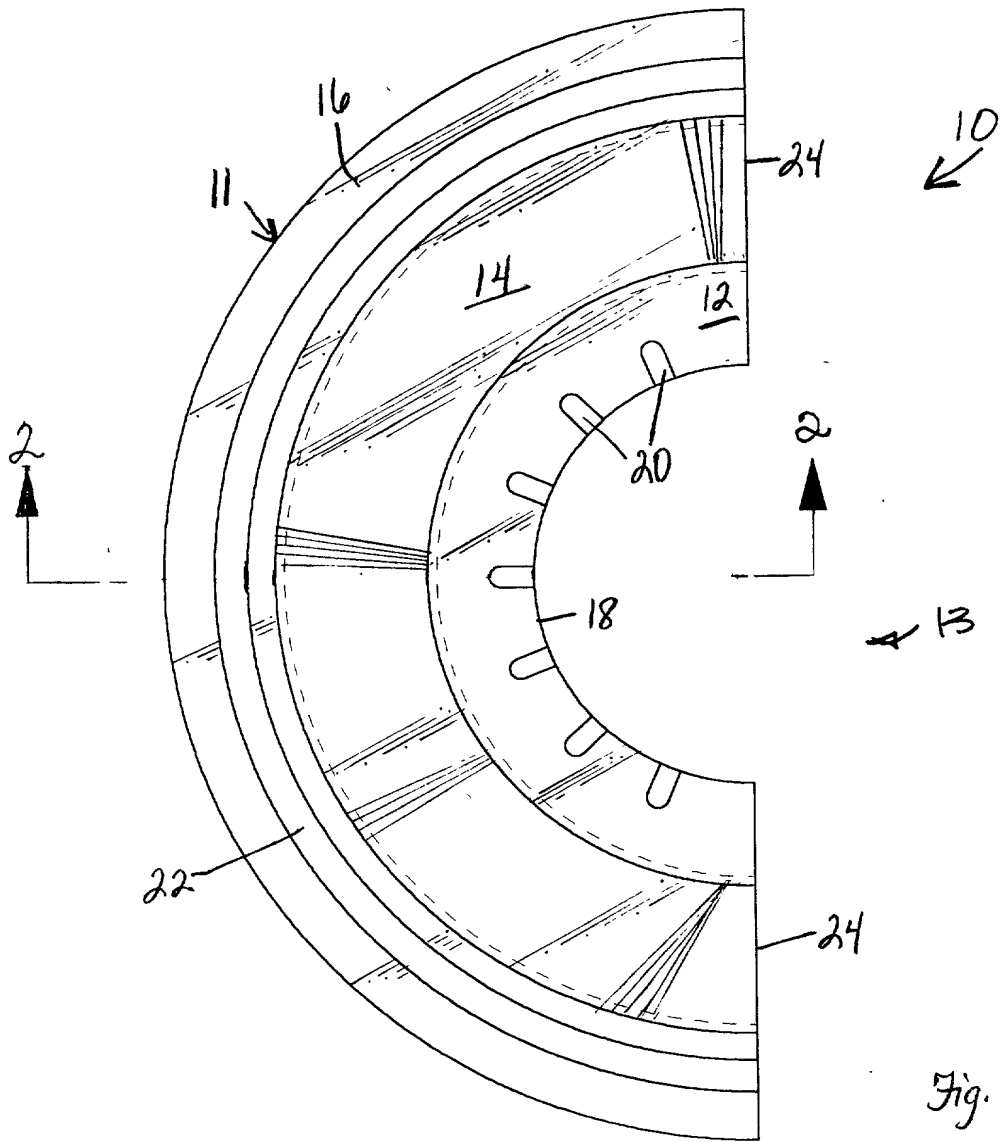
1. In combination with a card table for use by a dealer and players for playing a card game, the improvement which comprises, a transparent shield disposed on the upper surface of the card table, the shield having integral means providing a card playing space between said upper surface of the card table and the shield, and having means permitting access to the card playing space by the dealer for handling the playing cards while denying access to the card playing space by the players, thereby preventing marking of the playing cards by the players.
2. In the combination according to Claim 1, wherein the card table and the transparent shield are semi-circular in plan and wherein the transparent shield has a closed front face and an open rear face and is substantially frusto-conical in elevation.

3. In the combination according to Claim 1, wherein the transparent shield forms an integral unit which is substantially frusto-conical in elevation and wherein the card playing space is defined by a top wall of the shield which is disposed in spaced parallelism to and above the card table and is joined to an inclined intermediate wall which is joined to a bottom wall which rests on the card table, the inclined intermediate wall forming a barrier for denying access by the player to the card playing space.
4. In the combination according to Claim 1, wherein the means permitting access to the card playing space by the dealer is an open rear face and a cutaway portion of the transparent shield.
5. In the combination according to Claim 3, wherein the top wall has an upper surface which is provided with a series of spaced, indentations for receiving therein player betting chips for placing wagers.
6. In the combination according to Claim 3, wherein the bottom wall is provided on an upper face with a groove for holding player betting chips.

7. In the combination according to Claim 3, wherein the top wall has an upper surface which is provided with a series of spaced indentations for receiving therein player betting chips for placing wagers, the indentations each having an open end which faces the dealer.
8. In the combination according to Claim 1, wherein the shield is permanently affixed to the card table.
9. In the combination according to Claim 1, wherein the shield is portable.

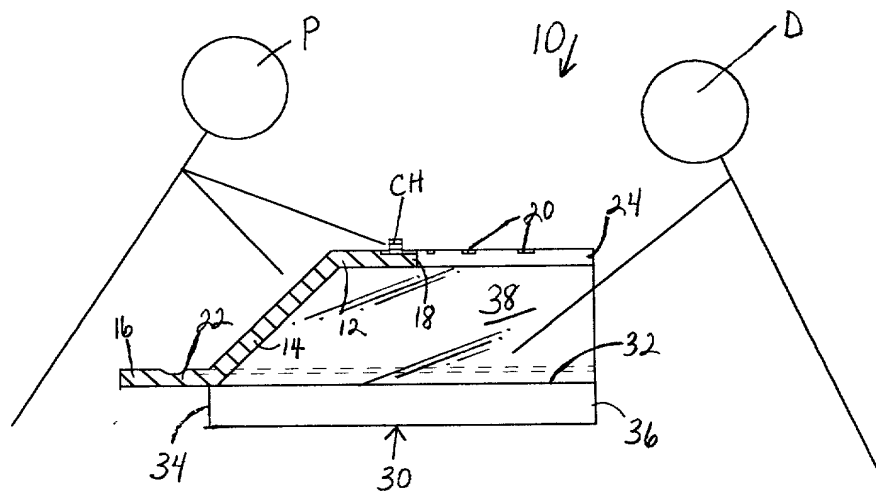
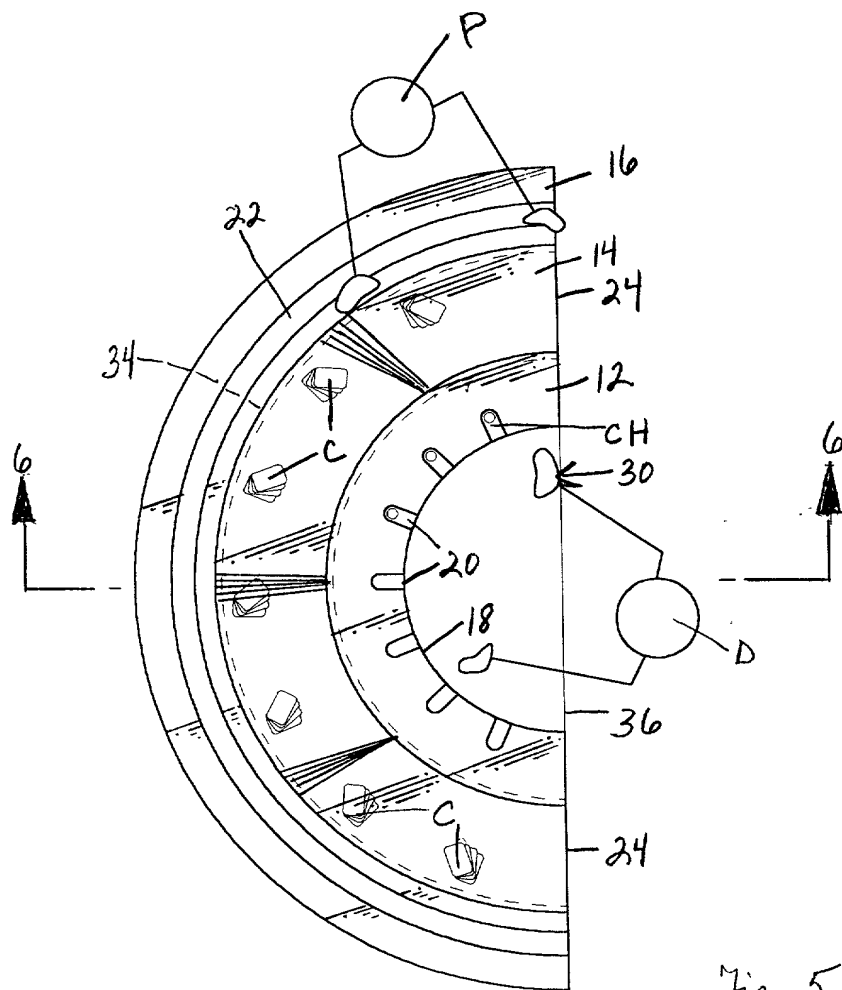
### ABSTRACT OF THE DISCLOSURE

A transparent shield is provided for a blackjack or other card table for use by a dealer and players for playing a card game, the shield having a closed front face and an open rear face for providing a space above the table accessible by the dealer for dealing the cards but denying access to the players, thereby preventing marking of the playing cards.









# DECLARATION FOR PATENT APPLICATION

Docket Number (Optional)

P2660

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled APPARATUS FOR THE PREVENTION OF MARKING CARDS IN, the specification of which

CARD GAMES

is attached hereto unless the following box is checked:

☐ was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

☐ Yes ☐ No

☐ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

(Application Number) (Filing Date)

(Application Number) (Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number) (Filing Date) (Status -- patented, pending, abandoned)

(Application Number) (Filing Date) (Status -- patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of second joint inventor, if any (given name, family name) PATRICK F. COLLINS

Second inventor's signature [Signature] Date 11/9/00

Residence 2 Arbor La., Windsor Locks, CT Citizenship U.S.A.

Post Office Address same 06096

☐ Additional inventors are being named on separately numbered sheets attached hereto.

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